

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims:

1. (Original) A latching blocking mechanism, comprising:
 - a static component including an elongate guide;
 - a static abutment surface;
 - a movable component slidable along the guide between initial and shifted positions;
 - a control member arranged for movement with the movable component in the sliding direction thereof but displaceable with respect thereto in a direction transverse to the sliding direction of the movable component, the control member initially being disposed at a first position relative to the movable component;
 - control means arranged to urge the control member transversely towards a second position from the first position, which control means becomes active only after the control member has moved by a predetermined distance from its first position towards its second position; and
 - a static camming part co-operable with a moving camming part on the control member and arranged to move the control member through said predetermined distance from its first position on movement of the movable component from its initial position towards its shifted position;
 - whereby following the movement of the control member through said predetermined distance and the return of the movable component towards its initial position, the control member is driven by the control means to a blocking position between the static abutment surface and the movable component thereafter to block further movement of the movable component towards its shifted position.
- 2-29. (Canceled)
30. (Original) A safety medical needle assembly, comprising:
 - a tubular component including an internal elongate guide;
 - an abutment surface formed on the tubular component;

- a movable component disposed within the tubular component and arranged for axial sliding movement with respect thereto between initial and shifted positions, the movable component being adapted to receive the hub of a medical needle so that the needle projects within but is protected by the movable component when in its initial position;
 - a control member arranged for axial movement with the movable component but rotatable with respect to the movable component, the control member initially being disposed at a first position relative to the movable component;
 - control means arranged to urge the control member towards a second position angularly displaced from the first position, which control means becomes active only after the control member has turned through a predetermined angle towards the second position;
- and
- a camming part on the tubular component co-operable with a moving camming part on the control member and arranged to turn the control member through said predetermined angle from its first position on axial movement of the movable component towards its shifted position to cause the needle to project from the movable component;
 - whereby the movement of the movable component towards its shifted position to cause the needle to project therefrom also causes the control member to turn through said predetermined angle whereafter the return of the movable component towards its initial position allows the control member to move behind the abutment surface under the action of the control means, thereafter to block further axial movement of the movable component towards its shifted position.

31. (Original) A safety medical needle assembly as claimed in claim 30, wherein the camming part on the tubular component comprises an abutment formed on the guide, and the camming part on the control member is engageable therewith to cause turning movement of the control member during an initial stage of the movement of the movable component from its initial position.

32. (Withdrawn) A safety medical needle assembly as claimed in claim 30, wherein the camming part on the tubular component comprises a projection formed on the guide and disposed at or adjacent the end thereof, for engagement by the camming part on the

control member as the movable component approaches its shifted position, to cause turning movement of the control member.

33. (Previously Presented) A safety needle assembly as claimed in claim 30, wherein there is provided a helical compression spring acting between the tubular component and the movable component, to urge the movable component towards its initial position.

34. (Original) A safety medical needle assembly as claimed in claim 33, wherein the compression spring is pre-loaded to apply a torque to the movable component, to rotate the movable component towards its second angular position.

35. (Original) A safety medical needle assembly as claimed in claim 34, wherein there is provided initialization means including a control surface on the movable component and on to which the control member is urged by said spring.

36. (Original) A safety medical needle assembly as claimed in claim 35, wherein said control surface of the movable component is a ramp surface inclined towards the guide.

37. (Original) A safety medical needle assembly as claimed in claim 35, wherein said control surface of the movable component extends in a radial plane.

38. (Original) A safety medical needle assembly as claimed in claim 37, wherein said control surface of the movable component has a detent with which the control member is engaged under the action of the spring.

39. (Previously Presented) A safety medical needle assembly as claimed in claim 33, wherein the movable component has a further surface on to which the control member is urged by the spring, which further surface is inclined towards the second position of the control member and adjoins the control surface of the first control means.

40. (Original) A safety medical needle assembly as claimed in claim 39, wherein the junction between the control surface and the further surface defines the predetermined angle from the first position of the control member through which the control member is turned by the co-operable camming parts.

41. (Withdrawn) A safety medical needle assembly as claimed in claim 30, wherein the movable component has first and second parts between which the control

member is located, the first and second parts being relatively movable in the axial direction of the tubular component.

42. (Withdrawn) A safety medical needle assembly as claimed in claim 41, wherein there is provided spring means to urge the first part of the movable component towards the second part, the first part having a cam surface engageable with the control member to turn the control member under the action of the spring means, once the control member has been turned through said predetermined angle.

43. (Withdrawn) A safety medical needle assembly as claimed in claim 42, wherein the cam surface of the first part engages the moving camming part of the control member, following movement of the control member through said predetermined angle.

44. (Previously Presented) A safety medical needle assembly as claimed in claim 30, wherein the tubular component has a plurality of similar parallel guides formed internally of the component in an angularly-spaced disposition.

45. (Original) A safety medical needle assembly as claimed in claim 44, wherein each guide provides said abutment surface behind which the control member engages to block movement of the movable component towards its shifted position.

46. (Previously Presented) A safety medical needle assembly as claimed in claim 30, wherein the medical needle has a hub at its rear end, the hub being removably mounted in the movable component and being configured to receive the forward part of a syringe to be connected thereto.

47. (Previously Presented) A safety medical needle assembly as claimed in claim 30 in combination with a syringe connected to a needle supported in the safety needle assembly.